1635-4 MAINTENANCE AND REMOVAL

Maintain the rock pipe inlet sediment traps, remove and dispose of silt accumulations at the pipe inlet sediment traps as directed in accordance with Section 1630.

Remove rock pipe inlet sediment traps as the project nears completion, or as directed. Prepare a seed bed to blend with existing contours and seed and mulch in accordance with Section 1660.

1635-5 MEASUREMENT AND PAYMENT

Payment for temporary rock pipe inlet sediment traps will be as follows:

Stone for Erosion Control, Class ____ will be measured and paid in accordance with Section 1610.

Sediment Control Stone will be measured and paid in accordance with Section 1610.

Silt Excavations will be measured and paid in accordance with Section 1630.

SECTION 1636
TEMPORARY STREAM CROSSING

1636-1 DESCRIPTION

Construct and maintain culverted temporary stream crossings. Temporary stream crossings are not shown in the plan sheets and shall be determined as directed.

The quantity of stream crossings to be installed will be affected by the actual conditions that occur during the construction of the project. The quantity of stream crossings may be increased, decreased or eliminated entirely as directed. Such variations in quantity will not be considered as alterations in the details of construction or a change in the character of the work.

1636-2 MATERIALS

Refer to Division 10.

Item	Section
Sediment Control Stone, No. 5 or 57	1005
Stone for Erosion Control, Class B	1042
Geotextile for Drainage, Type 2	1056

1636-3 CONSTRUCTION METHODS

Construct stream crossings according to *Roadway Standard Drawings* No. 1645.01 or as directed.

The Contractor shall determine the diameter of pipe(s) that will pass the peak or bankfull flow, whichever is less, from a 2-year peak storm, without overtopping. Place the geotextile on natural ground, on streambanks and in streambed beneath the temporary pipe(s) and stone according to the detail. Install Class B stone around the pipe(s), in the stream channel and on the crossing road sideslopes. Place sediment control stone on top of Class B stone according to *Roadway Standard Drawings* No. 1645.01.

1636-4 MEASUREMENT AND PAYMENT

Sediment Control Stone will be measured and paid in accordance with Section 1610.

Stone for Erosion Control, Class __ will be measured and paid in accordance with Article 1610-4.

Geotextile for Drainage will be measured and paid in accordance with Article 876-4.

Temporary Pipe for Stream Crossing will be measured and paid at the contract unit price per linear foot of temporary pipe approved by the Engineer and measured in place from end to end.

Article 104-5, pertaining to revised contract prices, will not apply to this item. No revision in the contract unit price will be allowed because of any overrun or underrun.

Such price and payment will be full compensation for all work covered by this section, including, but not limited to, furnishing all materials, labor, equipment and incidentals necessary to construct the stream crossings.

Payment will be made under:

Pay Item	Pay Unit
Temporary Pipe for Stream Crossing	Linear Foot

SECTION 1637
RISER BASIN

1637-1 DESCRIPTION

Construct, maintain and remove riser basin devices to reduce water velocity and contain sediment.

The actual conditions which occur during the construction of the project will determine the quantity of riser basin devices constructed. The quantity of riser basins may be increased, decreased or eliminated entirely as directed. Such variations in quantity will not be considered as alterations in the details of construction or a change in the character of the work.

1637-2 MATERIALS

Refer to Divisions 3 and 10.

Item	Section
C.S. Pipe Tee riser	1032-3(C)
Stone for Erosion Control, Class A or Class B	1042-1
Coir Fiber Mat	1060-14

Use a skimmer of solid Schedule 40 PVC pipe that meets the contract.

1637-3 CONSTRUCTION METHODS

Work includes constructing earth embankments and overflow spillways, and installing outlet pipe, tee-riser sections, trash racks, anti-flotation devices, coir fiber baffles, skimmer and stone energy dissipater in silt basins in accordance with *Roadway Standard Drawings* No. 1630.01 and 1630.02. Use either anti-flotation method shown in the plans.

Construct earth embankments with 2:1 side slopes with material meeting roadway embankment specifications in accordance with Section 1018. The maximum height of earth embankments is 12 ft. Compact embankment to at least 90% of AASHTO T 99 as modified by the Department and as directed. Excavate when required to provide minimum surface area and minimum storage volume area measured below the top of the principal spillway (top of the riser pipe).

Install a C.S. pipe tee riser as specified in the plans. Additional C.S. pipe may be required to obtain the required riser pipe height (crest elevation) as indicated in the plans. Construct a trash rack and an anti-flotation device on the riser pipe. Attach skimmer to riser pipe one foot above bottom elevation of basin.

Install coir fiber baffles in the basin in accordance with Section 1640 and as directed.